

# RK

TAKASAGO CHAIN

BEING THE BEST IS  
A COMMITMENT



## RK TAKASAGO CHAIN

Rollen Ketten, questo il significato dell'acronimo RK che dagli anni 1950 il produttore Giapponese Takasago decise di abbinare al proprio nome.

RK è fornitore OEM dei più importanti produttori di motocicli, tra cui Honda, Yamaha, Kawasaki e Suzuki  
RK supporta Team MotoGP, Moto2, Moto3, WSBK, WSSP, MXGP, Supercross, Enduro GP, Rally.

## ESSERE I MIGLIORI E' UN IMPEGNO

Rollen Ketten, this is the meaning of the acronym RK that the Japanese manufacturer Takasago decided to combine with his name since the 1950s.

ERK is the OEM supplier of the most important motorcycle manufacturers, including Honda, Yamaha, Kawasaki and Suzuki  
RK supports the teams of MotoGP, Moto2, Moto3, WSBK, WSSP, MXGP, Supercross, Enduro GP, Rally.

## BEING THE BEST IS A COMMITMENT

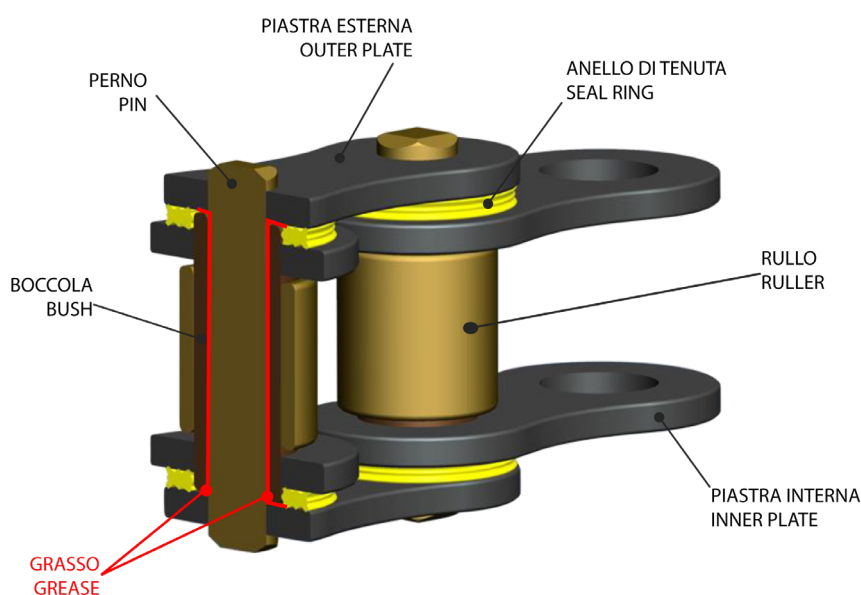
## COMPONENTI DELLA CATENA | CHAIN COMPONENTS

Una catena sigillata da 120 maglie è composta da 840 componenti:

- **Perno:** assorbono il peso ed il carico della catena. Sollecitato, il perno potrebbe piegarsi toccando la boccia: questo fenomeno è definito allungamento della catena.
- **Boccola:** assorbe il carico del rullo quando è a contatto con l'ingranaggio. Questo componente funge da "cuscinetto", quindi deve resistere agli urti e all'abrasione.
- **Rullo:** ruota liberamente contro la boccola e la piastra interna. Necessita di regolare lubrificazione per ridurre l'effetto dell'attrito interno contro la boccola e quello esterno contro gli ingranaggi.
- **Piastre:** con il perno assorbe il carico e trasmette la potenza.
- **Anello di tenuta:** posizionato tra piastra interna ed esterna, sigilla il grasso contenuto tra perno e boccola. Per realizzarlo viene usato del Nitrile speciale resistente al calore, all'abrasione, agli agenti atmosferici e con un basso coefficiente di attrito



SENZA MANUTENZIONE - INGRASSARE SOLO GLI INGRANAGGI



NO MAINTENANCE - LUBRICATION ONLY ON SPROCKETS

A Link Seal chain is made of 840 Components:

- **Pin:** can be a shaft of connecting pins and can absorb weight of chain. By stretching, the pin would rub against the inner bush and wear out. This phenomenon is called "elongation".
- **Bush:** Absorb impact weight over roller when mesh with the sprocket. Also, the bush has a bearing function, so shock and abrasion resistance are required.
- **Roller:** Rotate freely against the bush and inner plate. Need lubrication on a regular basis as frictional wear occurs when absorbing high load against bushes as meshing with.
- **Plate:** absorb load with pin and transit its power.
- **Sealed Ring:** Rotate freely against the bush and inner plate. Need lubrication regularly as frictional wear occurs when absorbing high load against bushes as meshing with sprocket.



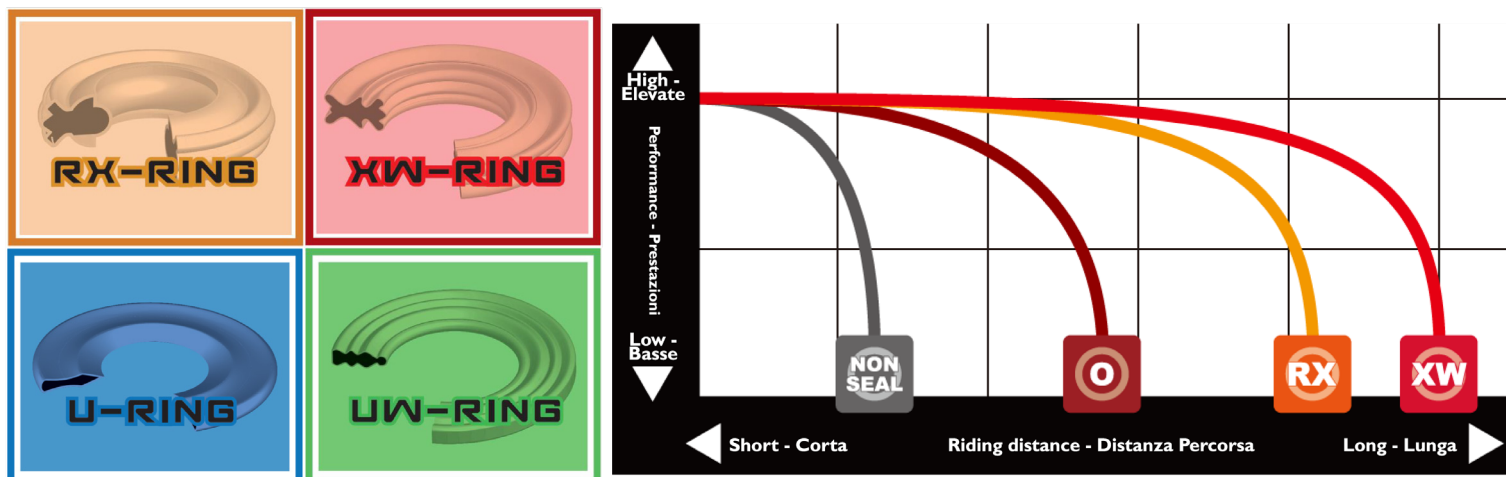
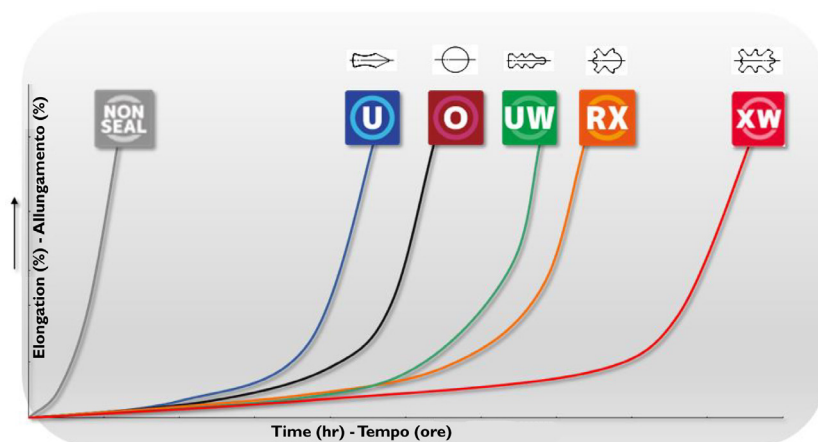
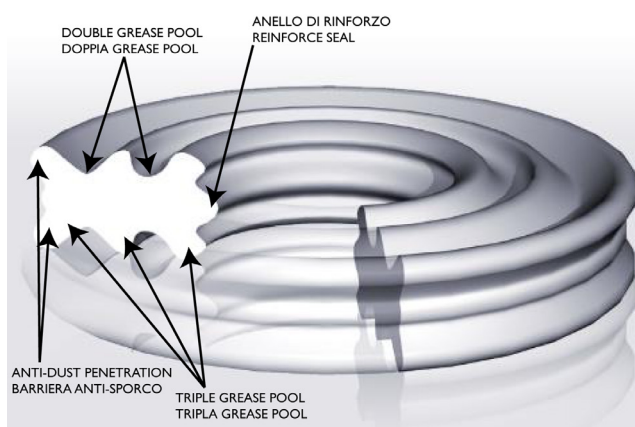
# TECNOLOGIA BREVETTATA RK ORIGINAL

## RK ORIGINAL SEAL TECHNOLOGY

### Caratteristiche della catena sigillata:

- Vita minima 3 volte superiore rispetto ad una catena non sigillata
- Non subisce allungamenti fino alla fine della sua vita evitando così la possibilità di un accoppiamento non perfetto con pignone e corona che causerebbe un perdita di potenza
- Impedisce l'ingresso dello sporco al suo interno, garantendo una maggiore durata e costanza di prestazioni

Tutti i RING di tenuta RK hanno un design con più zone di lubrificazione dette Grease Pool. Con lo scaldarsi della catena e lo scioglimento del grasso, le superfici di contatto vengono lubrificate e si ottengono migliori performance grazie alla riduzione degli attriti.



### Sealed Chain Features:

- Minimum life 3 times longer than an unsealed chain
- Does not undergo elongation until the end of its life thus avoiding the possibility of an imperfect coupling with the pinion and crown which would cause a loss of power
- Prevents dirt from entering inside, guaranteeing longer life and constant performance

All RK sealing RINGS have a design with multiple lubrication areas called Grease Pools. As the chain heats up and the grease melts, the contact surfaces are lubricated and better performance is obtained thanks to the reduction of friction.

## COLORAZIONI & CARATTERISTICHE CHAIN COLORS & CHARACTERISTICS

### CLASSIC STEEL

CLASSIC STEEL è il colore naturale dell'acciaio, la scelta classica fatta dalle case produttrici per il primo equipaggiamento.

Un classico che non tramonta mai.

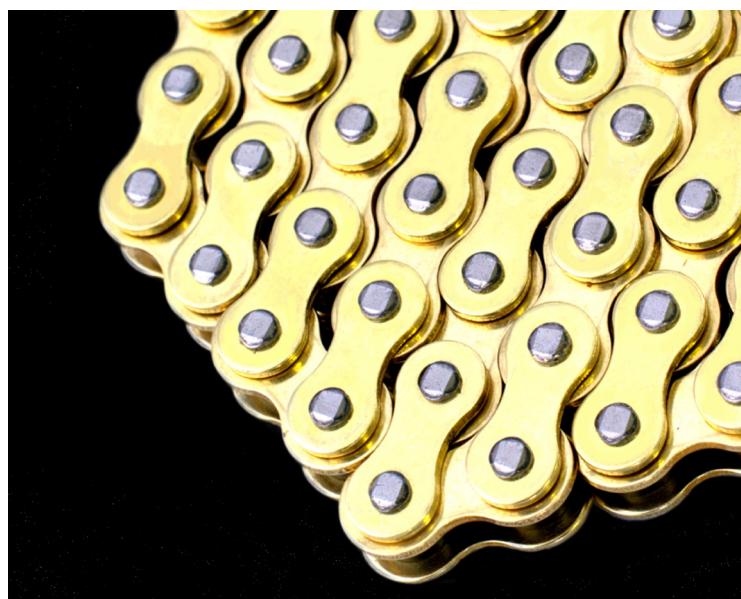


CLASSIC STEEL is the natural color of steel, the classic choice made by manufacturers for the original equipment.

A classic that never sets

### TOTAL GOLD

TOTAL GOLD è ottenuto grazie ad un trattamento di platinatura effettuato da RK sia alle piastre esterne che interne delle proprie catene: un trattamento totale sulla catena che ne aumenta la protezione agli agenti esterni.



TOTAL GOLD is obtained thanks to a plating treatment carried out by RK to both internal and external plates of the chains: a total treatment that increases protection against external agents

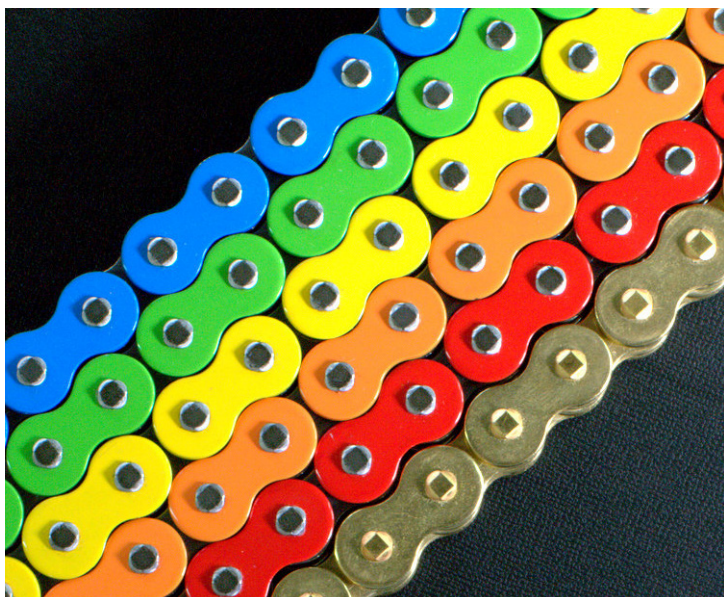


## COLORAZIONI & CARATTERISTICHE CHAIN COLORS & CHARACTERISTICS

### SOLID COLOR

SOLID COLOR è ottenuto grazie ad un processo giapponese di verniciatura delle piastre esterne usando colori che rispettano anche le più stringenti normative ambientali.

La catena SOLID COLOR permette di rendere unico e di personalizzare il tuo motociclo.



SOLID COLOR is obtained thanks to an exclusive Japanese painting process on the external plates using colors that follow the most strict and relevant regulations.

SOLID COLOR allows you to customize your bike.

### BLACK SCALE

BLACK SCALE è il capolavoro di RK.

Rulli e perni platinati oro, piastra esterne ed interne verniciate di colore nero, creano un abbinamento cromatico unico ed esclusivo che rende questa catena la più bella presente sul mercato.

BLACK SCALE è la scelta esclusiva per rendere veramente speciale il proprio motociclo



BLACK SCALE is the RK masterpiece. Gold-plated rollers and pins, black painted internal and external plates, create an exclusive chromatic combination that makes this chain the most beautiful chain on the market today.

BLACK SCALE is the exclusive choice to make your bike truly exclusive

# TABELLA SPECIFICHE & APPLICAZIONI

## SPECIFICATIONS & APPLICATIONS CHART

Street Off- Road Race ATV

On-Road Series	RK Model	Seal Type	Seal	Seal	Seal	Seal	Plate Thickness		CL Pin Length	Weight [g/L]	Tensile [kN]	Con Link Type	Application														
							Inner	Outer					100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
<b>Superbike &amp; Adventure</b>	520ZXW	KW	○	○	○	○	2.20	2.20	20.9	17.8	42.0	Rivet	400-1200cc														
	525ZXW		○	○	○	○	2.40	2.60	23.5	20.7	46.4	Rivet	600-1300cc														
	530ZXW		○	○	○	○	2.60	2.60	25.4	22.2	49.8	Rivet	750-1401cc														
<b>Street Riding &amp; Touring</b>	428XRE	KW	○	○	○	○	2.00	2.00	22.4/21.0	12.0	27.0	Clip/Rivet	125~400cc														
	520XRE		○	○	○	○	2.00	2.00	21.7/19.9	15.6	36.5	Clip/Rivet	250-800cc														
	525XRE		○	○	○	○	2.20	2.30	22.5	18.0	42.0	Rivet	400-1000cc														
	530XRE		○	○	○	○	2.40	2.40	24.5	21.1	44.0	Rivet	400-1400cc														
<b>Street Riding &amp; Daily Use</b>	420MRU	U	○	○		○	1.80	1.45	17.1	7.9	22.2	Clip	50~150cc														
	428MRU2		○	○		○	2.00	2.00	20.2	10.0	27.0	Clip	50~250cc														
	520MRU	UW		○			1.80	2.00	18.10	13.8	35.6	Rivet	125~450cc														
	520SO		○	○			2.00	2.00	21.7/19.9	15.4	30.5	Clip/Rivet	250~400cc														

Off-Road Series	RK Model	Seal Type	Seal	Seal	Seal	Seal	Plate Thickness		CL Pin Length	Weight [g/L]	Tensile [kN]	Con Link Type	Application														
							Inner	Outer					100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
<b>Motocross</b>	420MXZ	HIGH SEAL	○	○			1.80	1.45	17.1	7.8	22.2	Clip	50~150cc														
	428MXZ1		○	○			2.00	2.00	20.1	10.0	27.0	Clip	50~150cc														
	520KXZ		○	○			2.00	2.00	19.3	14.6	35.0	Clip	125-450														
<b>Premium Motocross</b>	420MXZ4	HIGH SEAL		○			1.80	1.45	17.1	7.8	22.2	Clip	50~150cc														
	428MXZ4			○			2.00	2.00	20.1	10.0	28.5	Clip	50~150cc														
	520MXZ5			○	○		2.00	2.00	19.2	13.9	37.8	Clip	125-500														
<b>Enduro</b>	420MXU2	U		○			1.80	1.45	17.1	7.9	22.2	Clip	50~150cc														
	428MXU			○			2.00	2.00	20.2	10.0	27.0	Clip	50~150cc														
	520MXU	UW		○			1.80	2.00	19.2/18.1	13.8	35.6	Clip/Rivet	125-500														
<b>Rally</b>	520EXW	KW	○	○			2.20	2.20	22.0/20.8	16.8	34.3	Clip/Rivet	250-750cc														

Sprint Race Series	RK Model	Seal Type	Seal	Seal	Seal	Seal	Plate Thickness		CL Pin Length	Weight [g/L]	Tensile [kN]	Con Link Type	Application														
							Inner	Outer					100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
<b>Sprint Race</b>	520XRU	UW		○			2.20	2.00	18.8	15.6	40.0	Rivet	250-1000cc														
	520RLWR			○			2.00	2.00	18.4	14.7	35.3	Rivet	250-600														
	520TRU			○			2.00	2.00	18.4	13.7	26.9	Rivet	Specialized for 250cc Road														
	415HRU	U		○			1.45	1.45	15.4	6.9	21.4	Clip	※2st:~125cc ※4st:~250cc														

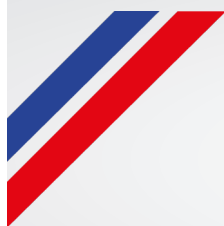
Non-sealed Series	RK Model	Seal Type	Seal	Seal	Seal	Seal	Plate Thickness		CL Pin Length	Weight [g/L]	Tensile [kN]	Con Link Type	Application														
							Inner	Outer					100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
<b>Premium Heavy Duty</b>	420MS	HIGH SEAL	○				1.80	1.45	16.7	7.8	18.7	Clip	50~125cc														
	530KS		○				2.00	2.00	21.9	17.0	31.6	Clip	250~400cc														
<b>Heavy Duty</b>	415HSB	HIGH SEAL	○	○*	○		1.45	1.45	14.6	7.0	18.3	Clip	50~110cc														
	428HSB		○	○*	○		2.00	2.00	20.3	10.4	24.2	Clip	50~200cc														
	520H		○	○*	○		2.30	2.30	19.7	16.7	34.3	Clip	125-250cc														
	525H		○				2.30	2.30	21.3	17.4	34.3	Clip	125-250cc														
	530H		○				2.30	2.30	22.9	18.8	34.3	Clip	250~400cc														
<b>Standard</b>	420SB	HIGH SEAL	○	○*	○		1.45	1.45	16.2	7.5	18.5	Clip	50~125cc														
	428SB		○				1.45	1.45	18.9	8.8	19.1	Clip	50~135cc														
	520		○				2.00	2.00	18.5	15.0	29.4	Clip	125-250cc														
	525		○				2.00	2.00	19.9	16.0	29.4	Clip	125-250cc														
	530		○				2.00	2.00	21.7	17.0	29.4	Clip	250~400cc														

On-Road Series	RK Model	Seal Type	Seal	Seal	Seal	Seal	Plate Thickness		CL Pin Length	Weight [g/L]	Tensile [kN]	Con Link Type	Application														
							Inner	Outer					100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
<b>Economic Sealed Chain</b>	428KRO	O	○	○*	○		1.80	1.80	21.6/20.2	11.7	24.0	Clip/Rivet	125~250cc														
	525KRO		○	○*			2.40	2.30	22.9	19.6	38.3	Rivet	400-800														
	530KRO		○	○*			2.40	2.30	24.7	20.7	38.3	Rivet	400-900cc														

Remarks \*1 Gold Plating on Outer Plate Only



## TIPOLOGIE DI MAGLIE GIUNTO CONNECTING LINKS TYPES



Maglia a clip per  
catene standard

Connecting link with clip  
for standard chain

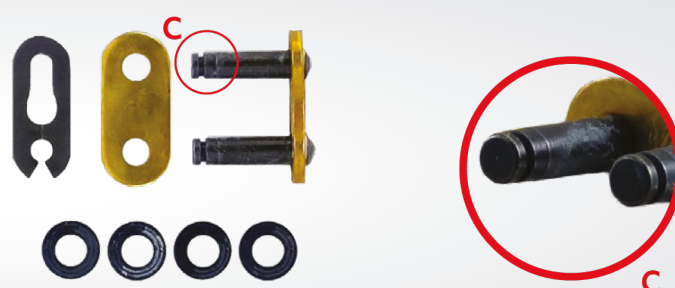
**CL**



Maglia a clip per  
catene con rings

Connecting link with  
clip for seal chain

**CL**



Maglia a ribadire per  
catene con rings

Connecting link processed  
on pin top for sealed chain

**CL-F**

